

CLAIMS:

1. A method for providing trick mode operations for sub-channels of multiplexed streams stored by a digital storage medium, comprising the steps of:

5 receiving at the recording device, a trick mode command directed to a particular sub-channel of a multiplexed stream;

identifying frame data stored by the digital storage medium corresponding to the particular sub-channel; and

extracting, from the frame data, trick mode data for the particular sub-channel.

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2. The method of claim 1, wherein the frame data comprises complete Intra-coded frames (I-frames) for the particular sub-channel.

3. The method of claim 1, further comprising the step of outputting the trick
15 mode data for the particular sub-channel to a display device for display thereby.

4. The method of claim 1, wherein said receiving step sending step is performed in response to a user selecting the trick mode command via a remote control device.

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5. The method of claim 1, wherein the digital storage medium is Institute of Electrical & Electronics Engineers 1394 (IEEE-1394) compliant.

6. The method of claim 1, wherein the multiplexed stream is a Moving
25 Picture Experts Group (MPEG) transport stream.

7. The method of claim 1, wherein the particular sub-channel of the multiplexed stream is specified as an operand in the trick mode command.

5 8. The method of claim 7, wherein at least one of a plurality of trick mode operations to be applied to the particular sub-channel is specified as another operand in the trick mode command.

9. In combination with a digital storage medium coupled to a receiver, a
10 method for providing trick mode operations for sub-channels of multiplexed streams stored on the digital storage medium, comprising the steps of:

receiving, from the receiver, a trick mode command specifically directed to a particular sub-channel of a multiplexed stream; and

sending, to the receiver, in response to receiving the trick mode command,
15 frame data corresponding to the particular sub-channel stored by the digital storage medium for extraction of trick mode data there from, the trick mode data corresponding to the particular sub-channel.

10. The method of claim 9, wherein the frame data comprises complete
20 Intra-coded frames (I-frames) for the particular sub-channel.

11. The method of claim 9, wherein the digital storage medium is Institute of Electrical & Electronics Engineers 1394 (IEEE-1394) compliant.

12. The method of claim 9, wherein the multiplexed stream is a Moving Picture Experts Group (MPEG) transport stream.

13. The method of claim 9, wherein the particular sub-channel of the
5 multiplexed stream is specified as an operand in the trick mode command.

14. The method of claim 13, wherein at least one of a plurality of trick mode operations to be applied to the particular sub-channel is specified as another operand in the trick mode command.